

Amendments to the Claims:

This listing of the claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-8 (cancelled).

Claim 9 (new):

An electroacoustical transducer comprising:

-a chassis (3);

-a rigid surface (10) rigidly attached to said chassis (3);

-a moving membrane (7), attached flexibly to said chassis (3) and positioned to face said rigid surface (10), with an air mass between said rigid surface (10) and said moving membrane (7); and

-a driving device (4,5,9,9b) to displace said moving membrane (7) in the direction of said rigid surface activated by a modulating electric current;

the displacement of said membrane (7) generating, by compression and expansion of said air mass, an acoustic wave, of which the direction of propagation (1) is essentially perpendicular to the direction (2) of displacement of said membrane (7).

Claim 10. (New) :

An electroacoustical transducer as set forth in claim 9,
wherein

 said rigid surface (10) and said moving membrane (7) are
configured in cylindrical symmetry about an axis that is parallel
to the direction (2) of displacement of said moving membrane (7);
and

 the distance between said rigid surface (10) and said moving
membrane (7) increases from the center of the periphery;

 the resulting sound radiation being omnidirectional in a
plane perpendicular to said direction (2) of displacement of
said moving membrane (7).

Claim 11 (New) :

An electroacoustical transducer as set forth in claim 9,
wherein said rigid surface (10) is shaped in the form of a convex
dome.

Claim 12 (New) :

An electroacoustical transducer according to claim 11,
wherein said moving membrane (7) also is shaped in the form of a
convex dome.

Claim 13 (New) :

An electroacoustical transducer as set forth in claim 11,
wherein said moving membrane (7) is ring shaped.

Claim 14 (New) :

An electroacoustical transducer according to claim 9
comprising acoustic screens or baffles (12) arranged to be in a
plane that is perpendicular to said moving membrane (7) and said
rigid surface (10), in such a way as to limit the air mass
contained between them, the resulting sound radiation being
directional.

Claim 15 (New) :

An electroacoustical transducer as set forth in claim 9,
comprising an acoustic horn that enables the improvement of the
acoustic coupling between moving membrane (7) and the ambient
air.

Claim 16 (New) :

An electroacoustical transducer as set forth in claim 9,
wherein said device of driving is an electromagnetic (4,5,9),
piezoelectric, (9b) or electrostatic device.

Claim 17 (New) :

An array consisting of multiple electroacoustical transducers as set forth in claim 9, each adapted to the reproduction of a determined range of frequencies, stacked on an axis that is parallel to the direction of displacement of said moving membrane (7).